

ABSTRACT OF THE DISCLOSURE

5 A movable barrier operator includes a wall control switch module having a learn switch thereon. The switch module is connectable to a control unit positioned in a head of a garage movable barrier operator. The head unit also contains an electric motor which is connected to a transmission for opening and closing a movable barrier such as a garage door. The switch module includes a plurality of switches coupled to capacitors which, when closed, have varying charge and discharge times to enable which switch has been closed. The control unit includes an automatic force incrementing system for adjusting the maximal opening and closing force to be placed upon the movable barrier during a learn operation. Likewise, end of travel limits can also be set during a learn operation upon installation of the unit. The movable barrier operator also includes an ambient temperature sensor which is used to derive a motor temperature signal, which motor temperature signal is measured and is used to inhibit motor operation when further motor operation exceeds or is about to exceed set point temperature limits.

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